

PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/612,174
Filing Date	July 2, 2003
First Named Inventor	Robert K. Reich
Art Unit	2826
Examiner Name	Kevin Quinto
Attorney Docket Number	MIT8806L

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
KZ	A	US- 4,322,638	03-30-1982	Lee et al.	
	B	US- 4,322,752	03-30-1982	Bixby	
	C	US- 4,835,616	05-30-1989	Morcom	
	D	US- 5,355,165	10-11-1994	Kosonocky et al.	
	E	US- 5,754,228	05-19-1998	Dyck	
	F	US- 5,754,229	05-19-1998	Elabd	
	G	US- 5,796,433	08-18-1998	Dyck	
	H	US- 5,867,215	02-02-1999	Kaplan	
	I	US- 5,953,061	09-14-1999	Biegelsen et al.	
	J	US- 6,049,357	04-11-2000	Shinohara	
KZ	K	US- 6,218,692	04-17-2001	Guidash et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

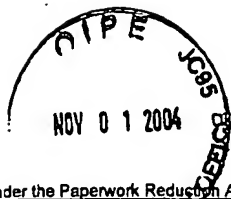
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
KZ	L	WO 97/46004	12-04-1997	Silicon Mountain Designs		

Examiner Signature	Kevin Quinto	Date Considered	1/24/05 + 4/28/05
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Robert K. Reich

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Examiner Name

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Attorney Docket Number

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KR	M	FUJITA et al., "A New High-Speed Camera System for Broadcast Use - The Action Analyzer," SMPT Journal, pp. 820-823, October 1990.	
	N	REICH et al., "Integrated Electronic Shutter for Back-Illuminated Charge-Coupled Devices," IEEE Transactions on Electron Devices, Vol. 40, No. 7, pp. 1231-1237, July 1993.	
	O	KABRA et al., "180x180 Element Ultra High Frame Rate Burst Image Sensor," Proc. of the 40th Midwest Symp. on Circuits & Systems, Sacramento, CA, pp. 1423-1425, Aug. 2-6, 1997.	
	P	KOSONOCKY et al., "360x360 Element Three-Phase Very High Frame Rate Burst Image Sensor: Design, Operation, and Performance," IEEE Transactions on Electron Devices, Vol. 44, No. 10, pp. 1617-1624, October 1997.	
	Q	YATES et al., "An intensified/shuttered cooled CCD camera for dynamic proton radiography," In "Digital Solid State Cameras: Designs and Applications," Williams, Jr., Editor, SPIE Vol. 140, pp. 140-151, April 1998.	
	R	RATHMAN, "Transient Analysis of Photogenerated Charge-Carrier Collection in High-Frame-Rate Charge-Coupled Devices," MIT Lincoln Laboratory Solid State Research Quarterly Technical Report, pp. 25-30, September 1, 1999.	
	S	HARTMANN et al. "A high-speed frame store CCD for the use in optical and near infrared astronomy," In "Adaptive Optical Systems Technology," Wizinowich, Ed., Proc. SPIE Vol. 4007, pp. 493-499, 2000.	
	T	O et al., "6k-pixel 160-MHz CCD linescan sensor," In "Sensors and Camera Systems for Scientific, Industrial, and Digital Photography Applications," Blouke et al., Eds., Proc. SPIE Vol. 3965, pp. 50-57.	
↓	U	REICH et al., "Burst-Frame-Rate CCD Imager," MIT Lincoln Laboratory Solid State Research Quarterly Technical Report, pp. 25-29, September 7, 2001.	
KR	V	REICH et al., "High-Fill-Factor, Burst-Frame-Rate Charge-Coupled Device," International Electron Device Meeting and IEDM Technical Digest, pp. 567-570, December 2001.	

Examiner
Signature

Kevin Quinto

Date

Considered

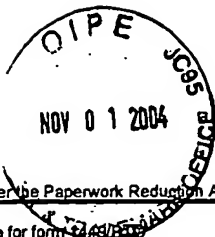
1/24/05

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Sheet	3	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
72	W	REICH et al., "High-Speed Electronically Shuttered Solid-State Imager Technology," Proc. 14th Topical Conference on High-Temp Plasma Diagnostics, July 8-11, 2002, and Review of Scientific Instruments, V. 74, Part 2, pp. 2027-2031, March 2003.	

Examiner Signature	Kevin Quinto	Date Considered	6/24/05
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